MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2019/2020

DAC5614 – COMPUTER AND SOFTWARE APPLICATIONS

(All Sections/Groups)

23 OCTOBER 2019
9.00 a.m – 11.00 a.m
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 5 pages with 2 sections.

2. Attempt **ALL** questions in Section A and Section B. The distribution of the marks for each question is given.

3. Please write all your answers for Section A on the OMR form provided and all answers for Section B in the Answer Booklet provided.

SECTION A: Multiple Choice Questions (20 Marks)

1. _____ is categorized as input device.
   A. Webcam
   B. Monitor
   C. Speaker
   D. Printer

2. Inkjet printer _____.
   A. is a nonimpact printer that sprays tiny drops of ink onto paper
   B. can be worked by melting wax-based ink onto ordinary paper
   C. uses a focused beam or light to transfer text and images onto paper
   D. is a device made up of multiple of peripheral functionalities, including printing, copying and scanning

3. Terabyte is the measurement for _____.
   A. bandwidth
   B. storage
   C. screen resolution
   D. machine cycle

4. _____ mode puts the computer in low power usage, but keeps programs in RAM.
   A. Hibernate
   B. Cold boot
   C. Warm boot
   D. Sleep

5. The Internet is _____.
   A. peer to peer network
   B. also known as the web
   C. a large network of networks
   D. an internal communication system for businesses

6. All of the following are types of cloud storage **EXCEPT** _____.
   A. Dropbox
   B. Hard disk
   C. Google Drive
   D. OneDrive

7. In URL: *https://www.spotify.com/my-en/*, the portion labeled "*.com*" is the _____.
   A. protocol
   B. domain name
   C. subdirectory
   D. top-level domain

Continued...

8. Which of the following is **TRUE** about web-based application software?
   A. It is always free.
   B. It does not need an Internet connection.
   C. It is installed by the computer manufacturer.
   D. It is stored completely on a web server instead of your hard drive.

9. Multimedia software includes all of the following **EXCEPT** _____.
   A. database software
   B. animation software
   C. audio-editing software
   D. image-editing software

10. Microsoft Excel is a(n) _____ software program.
   A. database
   B. spreadsheet
   C. presentation
   D. word processing

11. Before installing any software, it is always important to back up your system and to create a(n) _____, which enables you to go back to your computer's previous settings in case anything goes wrong during the new software installation.
   A. backup point
   B. access point
   C. restore point
   D. active point

12. Which of the following is the name of a word processing file?
   A. inventory.docx
   B. inventory.xlsx
   C. inventory.pptx
   D. inventory.accdb

13. Which of the following is **NOT** a Windows utility program?
   A. Disk Cleanup
   B. System Restore
   C. Desktop Cleanup
   D. Defragment and Optimize Drives

14. When the computer runs out of RAM, the operating system borrows space from the _____.
   A. CPU
   B. ROM
   C. hard disk
   D. cache memory

Continued...

15. Cache memory levels are based on closeness to _____.
    A. RAM
    B. the processor
    C. the video card
    D. the hard drive

16. A _____ uses electronic memory and has no motors or moving parts.
    A. Bluray disc
    B. digital video disc
    C. solid-state drive
    D. mechanical hard drive

17. Which of the following is the **BEST** way to determine your RAM allocation?
    A. Monitor RAM
    B. Count the number of available slots on the motherboard.
    C. Divide the number of used memory slots by the number of total memory slots.
    D. List all programs you would run simultaneously and the amount of RAM each needs and add together.

18. Which category of intellectual property would be used to protect a film from being illegally reproduced?
    A. Patent
    B. Copyright
    C. Trademark
    D. Service mark

19. Which of the following is **INCORRECT** about e-books?
    A. They are always PDF file format.
    B. You can borrow them from the library.
    C. You can annotate them with your own notes.
    D. You can purchase it online.

20. Which of the following digital formats compresses an image file?
    A. RAW
    B. MP4
    C. MPEG
    D. PNG

(Total: 20 marks)

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SECTION B: Structured Questions (80 Marks)

QUESTION 1

(a) Your friend would like to know the precautions that should be taken while working with a computer on a table. What are the **FOUR (4)** guidelines that you would suggest to him/her? (6 marks)

(b) Web 2.0 is focused on the ability for people to collaborate and share information online. Briefly explain **FIVE (5)** web technologies that we can use to collaborate and share information. (10 marks)

(c) Define the following categories of e-commerce.
(i) B2C (1 mark)
(ii) B2B (1 mark)
(iii) C2C (1 mark)
(iv) Mobile commerce (1 mark)

(Total: 20 marks)

QUESTION 2

(a) List **FIVE (5)** types of application software used in businesses. Briefly explain each of them. (10 marks)

(b) An operating system is essential in a computer system. Briefly explain **FIVE (5)** functions of an operating system. (10 marks)

(Total: 20 marks)

QUESTION 3

(a) What are the steps that a CPU goes through when it processes a program instruction? (8 marks)

(b) Random Access Memory (RAM) and Read Only Memory (ROM) are memory subsystem in a computer system. State **THREE (3)** differences between both of them. (6 marks)

(c) Anita is new to social media. What are the **THREE (3)** advices that you would provide to her to protect her online reputation? (6 marks)

(Total: 20 marks)

Continued...

QUESTION 4

(a) List and explain **FOUR (4)** types of viruses. (8 marks)

(b) State **THREE (3)** ways to avoid yourself from phishing scams. (6 marks)

(c) Backing up the files in computer is very important. In general, what are the **THREE (3)** types of backups that can be done using the computer? (6 marks)

(Total: 20 marks)

End of Paper